

REMARKS

Claims 45-48, 56, 58, 60-63, 73-76, 78, 82, and 84-85 are amended, and claims 61 and 64 are canceled without prejudice or disclaimer. Claims 45-60, 62-63, and 65-85 are pending.

In the final office action, the drawings were objected to under 37 C.F.R. § 1.83(a). The applicant submits new FIGS. 1-3 are submitted herewith as Replacement Sheets, with the amendments shown in red in the attached Annotated Sheets Showing Changes.

In the new drawings, the hydraulic actuation system is the hydraulic piston 114 shown in FIG. 3, as recited in claim 45; the spring sensor 8 is shown in FIG. 1, as recited in claim 49; the load cell system is shown as a load cell 6" in FIG. 2, as recited in claim 53; the filtering system is shown as the electromagnetic interference filtering system 19' in FIG. 2, as recited in claim 66; the filter is shown as a water filter 18' in FIG. 2, as recited in claim 68; and the serial port 16' is shown in FIG. 2, as recited in claim 71.

The "hydraulic actuation system" recited in claim 45 is described on page 10, lines 13-20 in combination with FIG. 10 in connection with a hydraulic piston for moving the exchanger 22 in the direction of the double-headed arrow D along travel guides 23 shown in FIG. 3. The hydraulic actuation system is operated by the pumps that push the water into the hydraulic piston 114, so that, when the pressure is present, is in its open position. When the pressure is absent, the hydraulic piston is in its closed position, with two solenoid valves or electrovalves 112 and 113 being provided.

In particular, the piston positioned on top of the heater is connected to a fixed support. When the electrovalves 112 and 113 open, the water pressurized by the two pumps (102, 109, see FIG. 10) enters into the piston and the piston extends forcing the

heater onto the cartridge holder and compressing the four return springs 23'. Then electrovalve 113 closes to hold the pressure. When the electrovalve 113 opens and electrovalve 112 closes, opening the third way to the discharge, the pressure is relieved and the springs make the heater and the piston return back to their original position.

In addition, the “load cell system” recited in claim 53 is described on page 10, lines 3-5. The “filtering system” recited in claim 66 is described on page 7, lines 1-6. The “filter” recited in claim 58 is described on page 6, lines 2-6 in connection with the point of water intake, such as the connector 18 for water shown in FIG. 2. The “serial port” recited in claim 71 is described on page 10, lines 7-8. Such features are described in the specification and are well-known in the art.

Such components and elements shown in amended FIGS. 1-3 and discussed in the amended portions of the specification are well known to experts having ordinary skill in the field of the invention, and so such experts would be able to insert and connect such components and elements in their proper positions inside the coffee machine without undue experimentation.

Accordingly, there is sufficient disclosure of the recited elements of the claims in the specification and drawings as amended, and based on the specification and drawings as filed. Therefore, withdrawal of the objection to the drawings are requested.

In the final office action, claim 64 was rejected for including trademarks. Claim 64 has been canceled.

In the final office action, the specification was objected to as allegedly not containing an Abstract. A new Abstract was previously submitted in the amendment in

the present application mailed May 20, 2003. The Abstract is repeated in the present amendment, so withdrawal of the objection to the specification is requested.

In the final office action, claims 45-77, 84, and 85 were rejected under 35 U.S.C. § 112, second paragraph. Claim 61 has been canceled. Claims 84 and 85 have been amended to depend from allowed claim 78. Claims 45 and 58 have been amended in a manner believed to overcome the rejections, and the drawings have been amended to support the recitation of claim 45.

Based on the application as filed, the amendments to the claims are supported, since an expert reading the application can find indications and is able to make structural connections in that the hydraulic circuit is regulated by means of electrovalves, operated by the electrical circuit governed by electronic boards and a central processing unit in which control software is embedded, as indicated in the application, for example, on page 5, lines 27-31 in connection with FIG. 10.

In addition, the flow of water which passes through the heater originates from the opening and closing of the electrovalves 104, 110, 111, and 112 (see FIG. 10), which allow the water coming from the aircraft to enter into the machine through element 18 (see in particular FIG. 2 in combination with FIG. 10), to operate the hydraulic piston, to enter into the heater, and eventually to be dispensed.

Accordingly, reconsideration and withdrawal of the rejection of claims 45-77 and 84-85, and allowance of all rejected claims are requested.

In the final office action, claims 78-83 were allowed, so allowance of these claims are requested.

Claim 84 depends from allowed claim 78, and claim 85 has been amended to depend only from claim 84. Accordingly, it is submitted that claims 84 and 85 are in condition for allowance.

Entry and approval of the present amendment and allowance of all pending claims are respectfully requested.

In case of any deficiencies in fees by submission of the present amendment, the Commissioner is hereby authorized to charge such deficiencies in fees to Deposit Account Number 01-0035.

Respectfully submitted,



Anthony J. Natoli
Reg. No. 36,223
Attorney for applicant

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ABELMAN, FRAYNE & SCHWAB
150 East 42nd Street
New York, NY 10017-5612
Tele: (212) 949-9022
Fax: (212) 949-9190

ANNOTATED SHEET SHOWING CHANGES

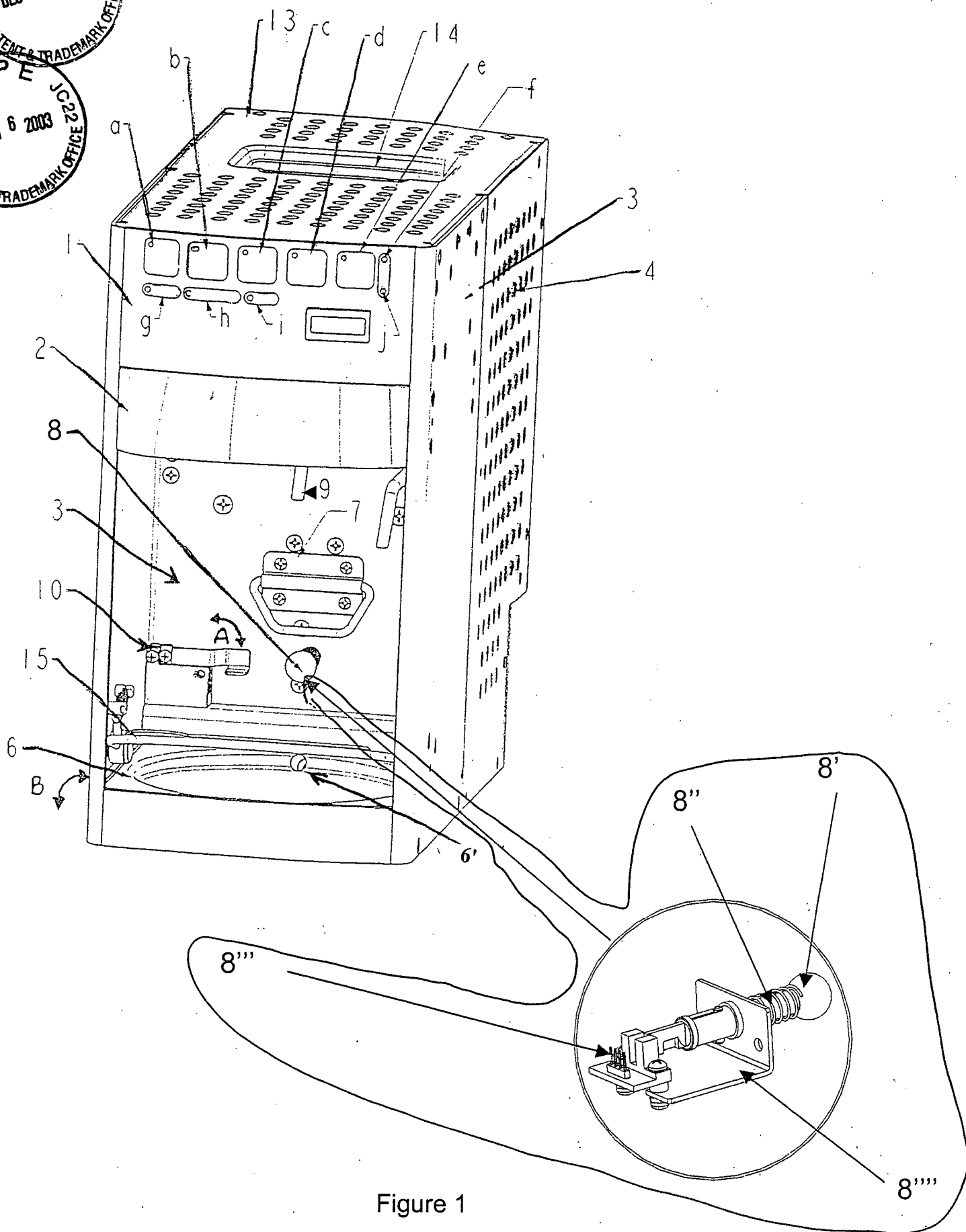
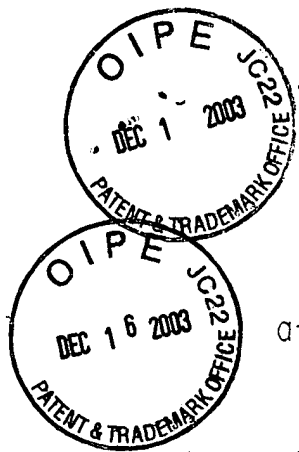


Figure 1

ANNOTATED SHEET SHOWING CHANGES

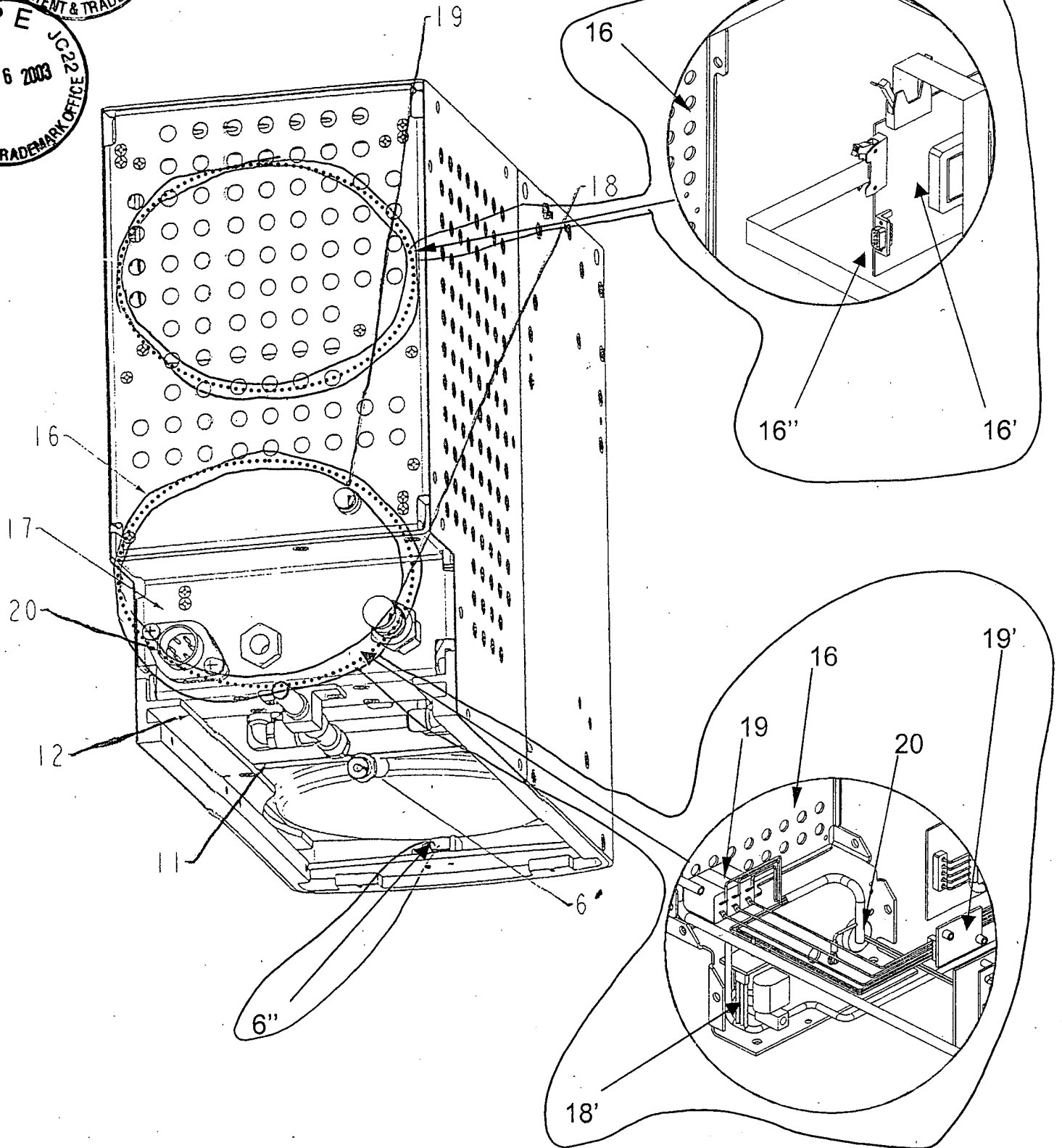
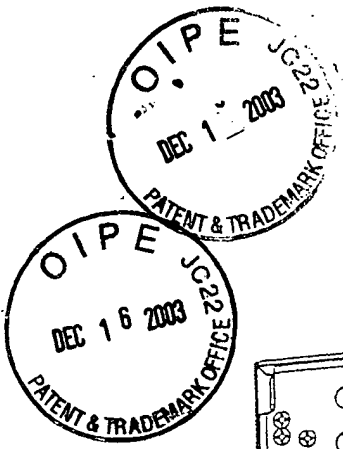


Figure 2



ANNOTATED SHEET SHOWING CHANGES

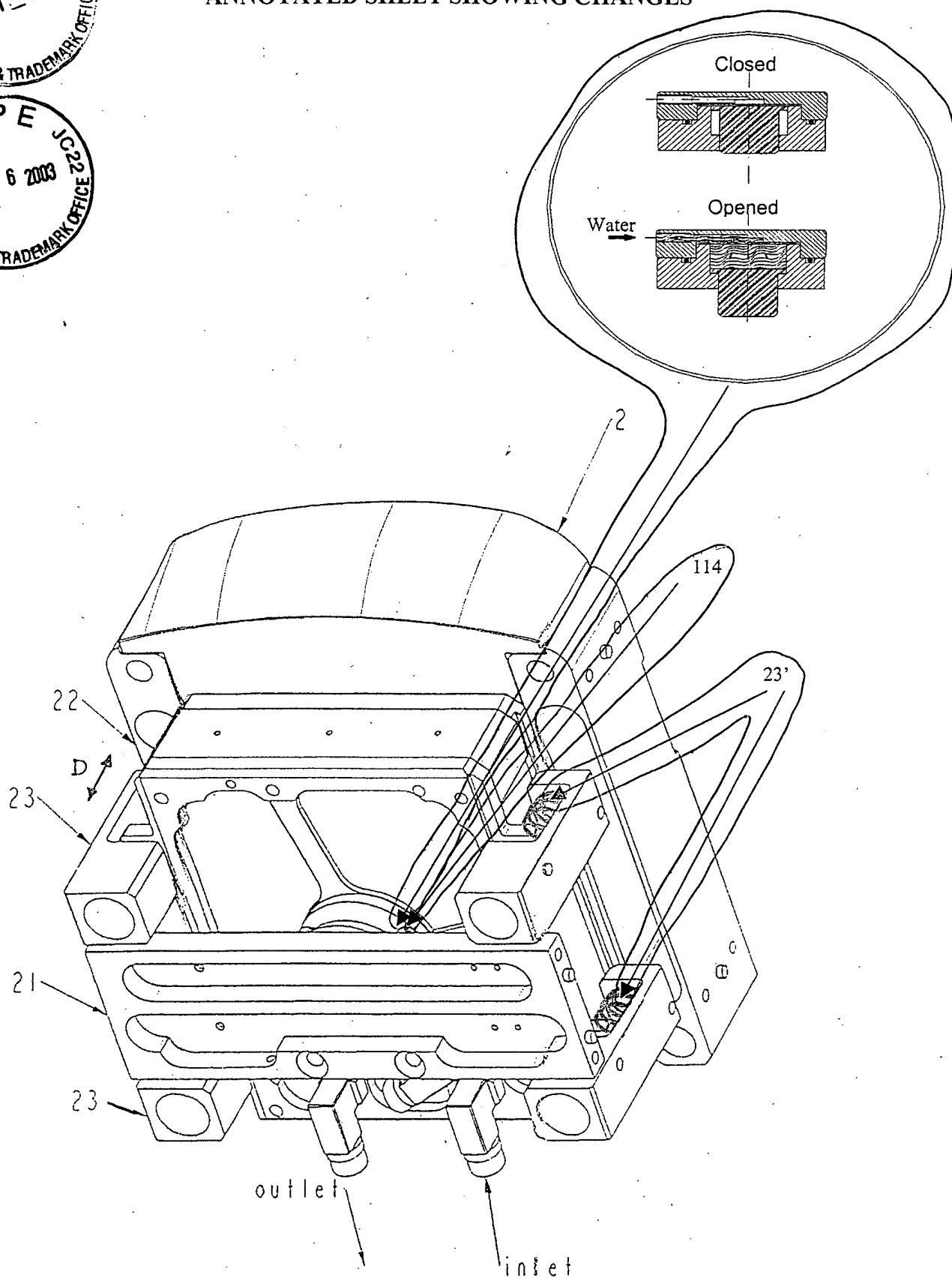


Figure 3